

Papyrus User Guide

From Eclipsepedia

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Using modeling editors

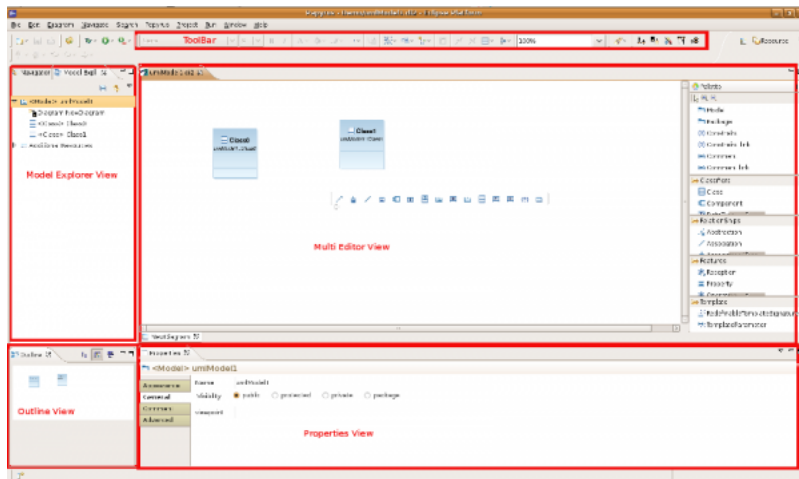
UML modeling

Getting Started

Papyrus Perspective

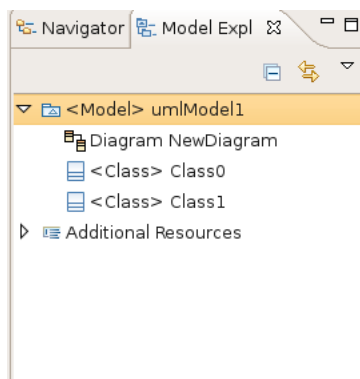
The Papyrus perspective contains :

- Model Explorer view
- Outline view
- Multi diagram editor view
- Properties view
- Toolbar

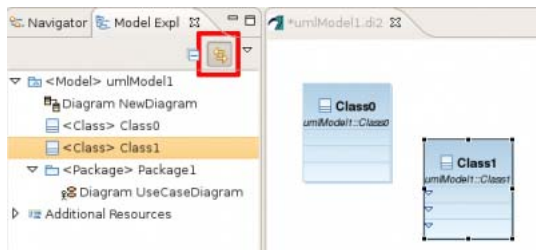


Model Explorer View

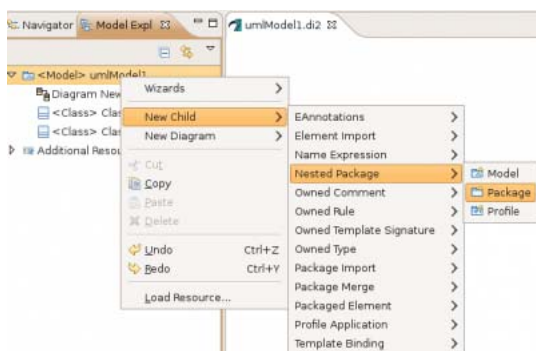
The model explorer is used to navigate to the all model's elements and the diagrams.



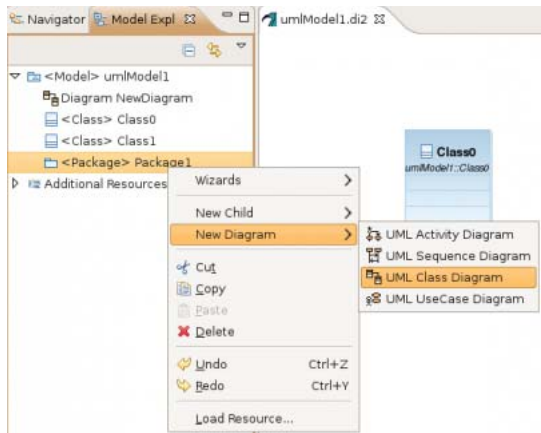
This action link the model explorer with the active diagram selection. This action works bidirectionally.



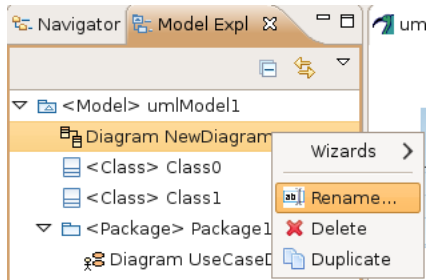
This action allow to add new semantic element.



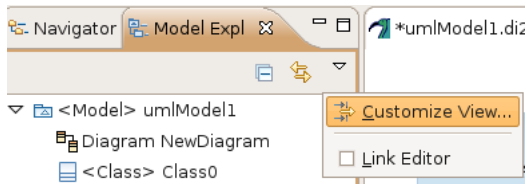
This action allow to add new diagram in current selection.



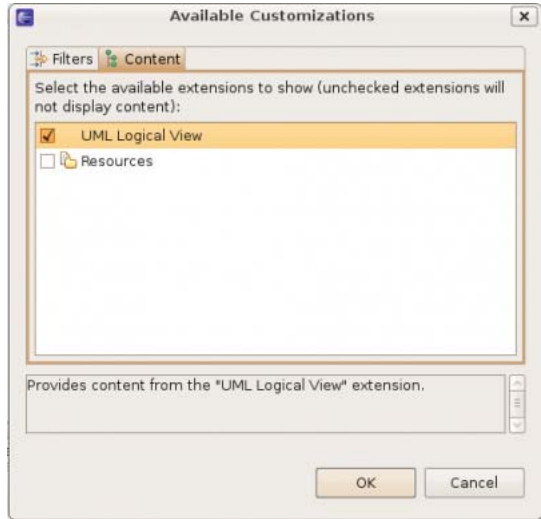
All actions are available on diagram item.



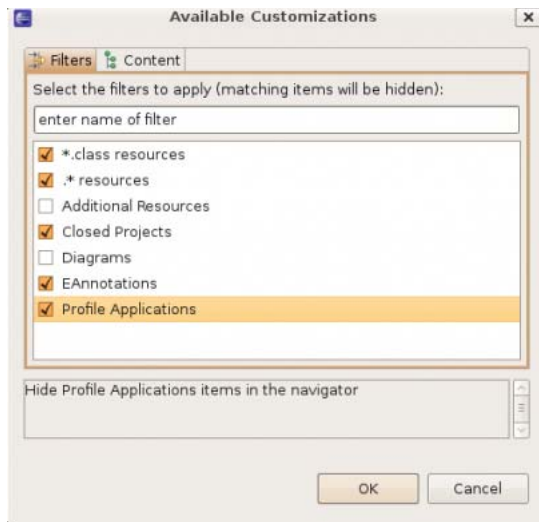
The model explorer used Common Navigator Framework and provide facilities to customize view.



To customize the content of treeViewer:

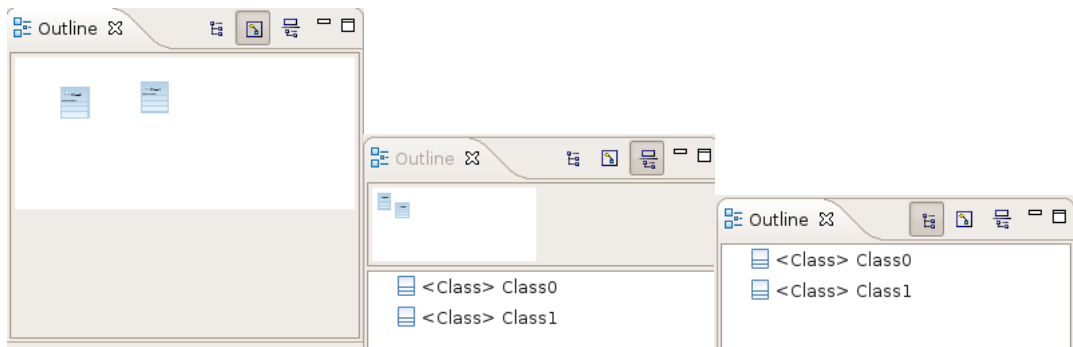


To filter the content of treeViewer:



Outline View

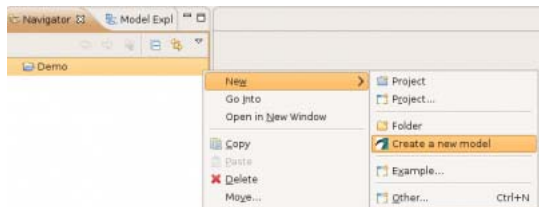
The Outline offers a thumbnail of the graphical representation and the list of semantic elements used in current diagram.



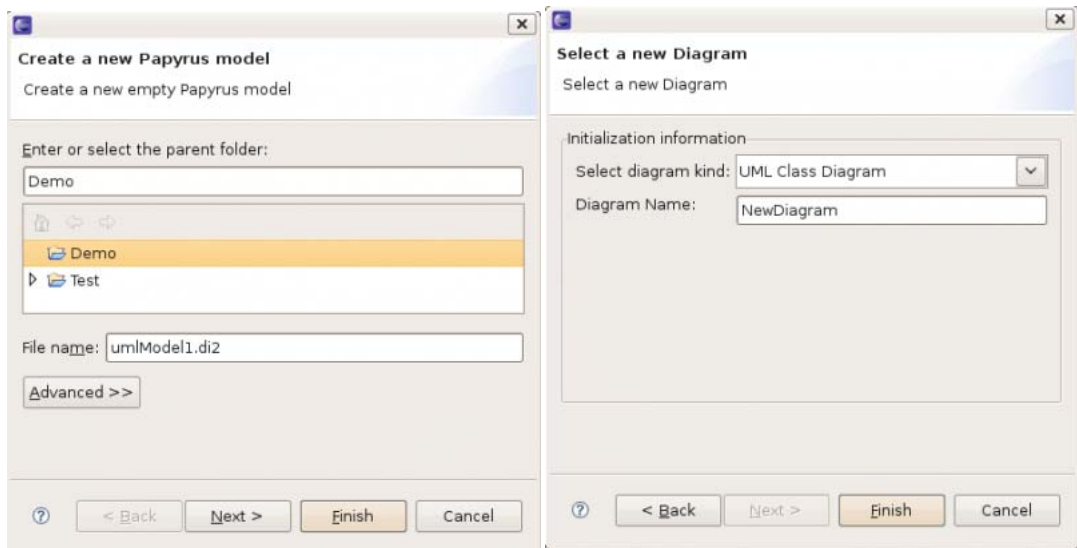
Tutorials on UML modeling with Papyrus

Model/Diagram creation wizard

Create a new Model.

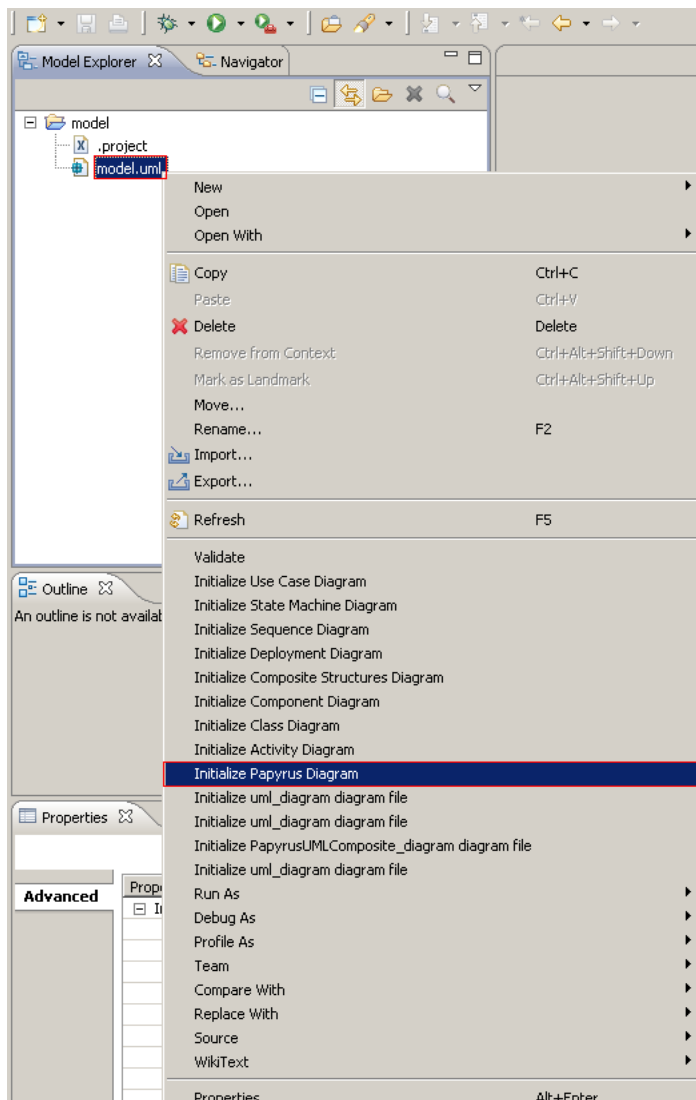


Choose the model file name and the first diagram to create.



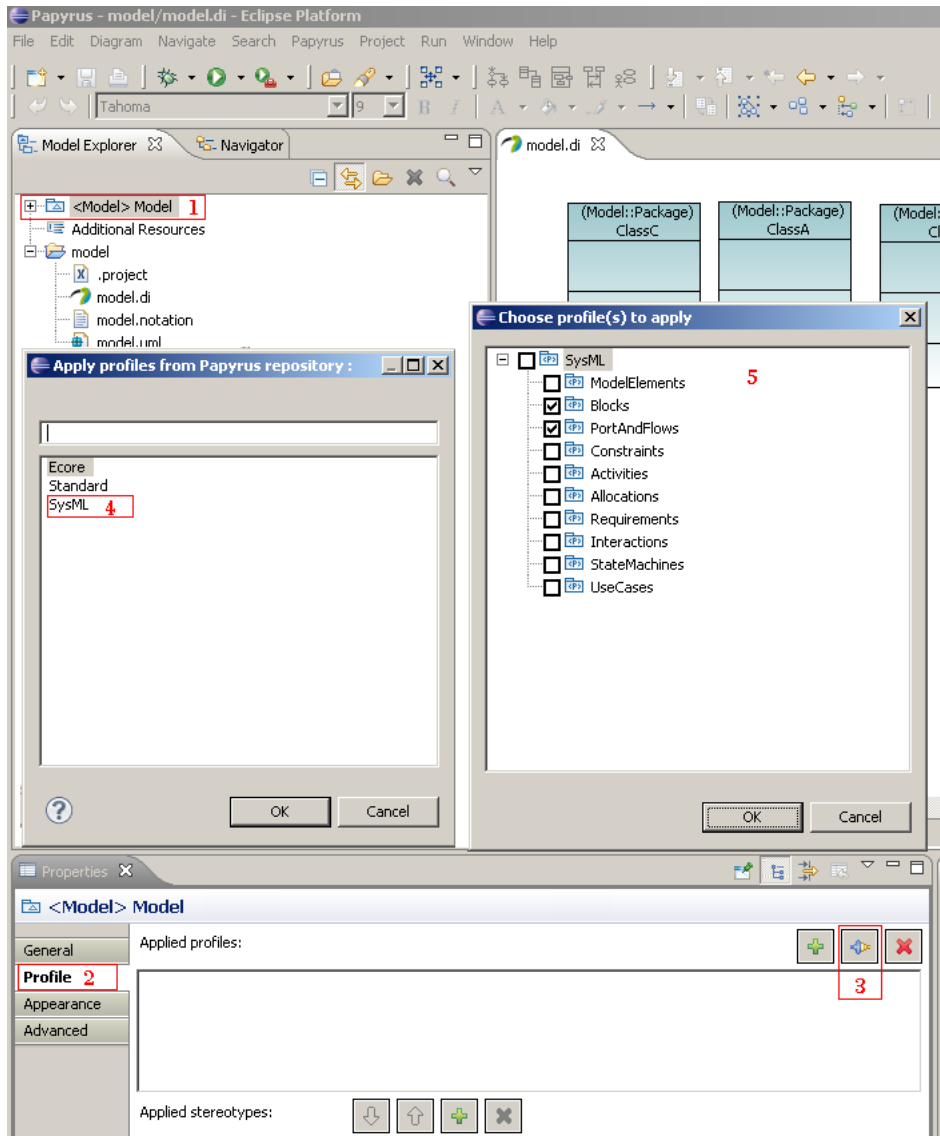
Create a diagram from an existing uml file

From your uml file, select the "Initialize Papyrus diagram" to access the creation wizard of Papyrus. Your Papyrus diagram will be linked with your existing model.



Apply a static profile

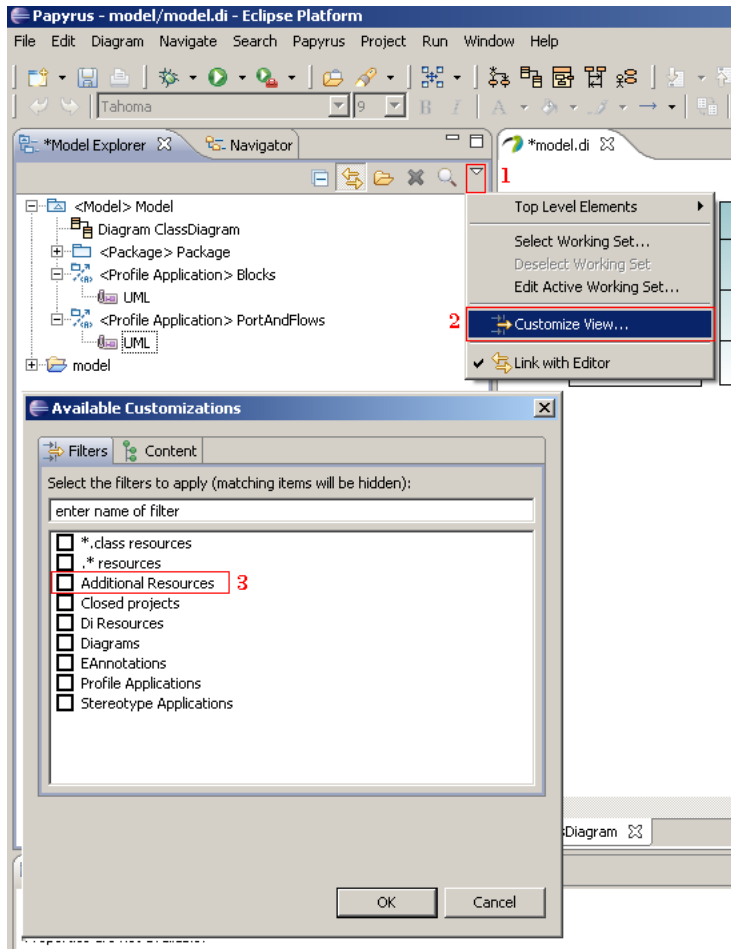
- 1 - Select a package element (ie a Model or a Package).
- 2 - Select the tab "Profile" on the "Properties" view
- 3 - Click on the plug-in icon
- 4 - Select your static profile
- 5 - Choose profiles to apply



Load an additionnal resource

Show additional resources in your model explorer view

Ensure that the filter for the additional resources is not checked on your model explorer view :



Add an additional resource

Right click on an element of your model and select the menu "Load resource..."

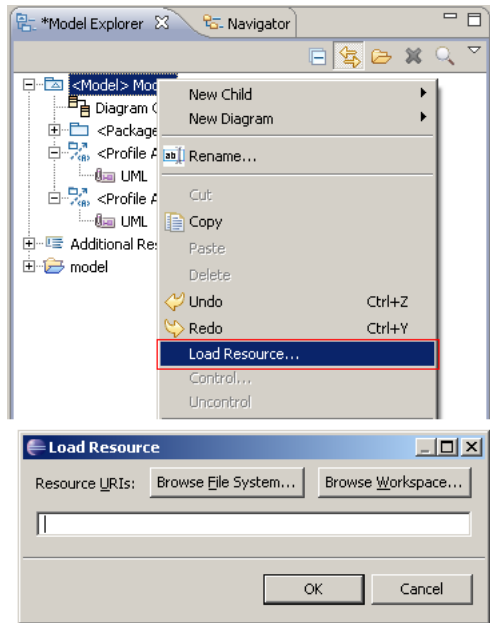
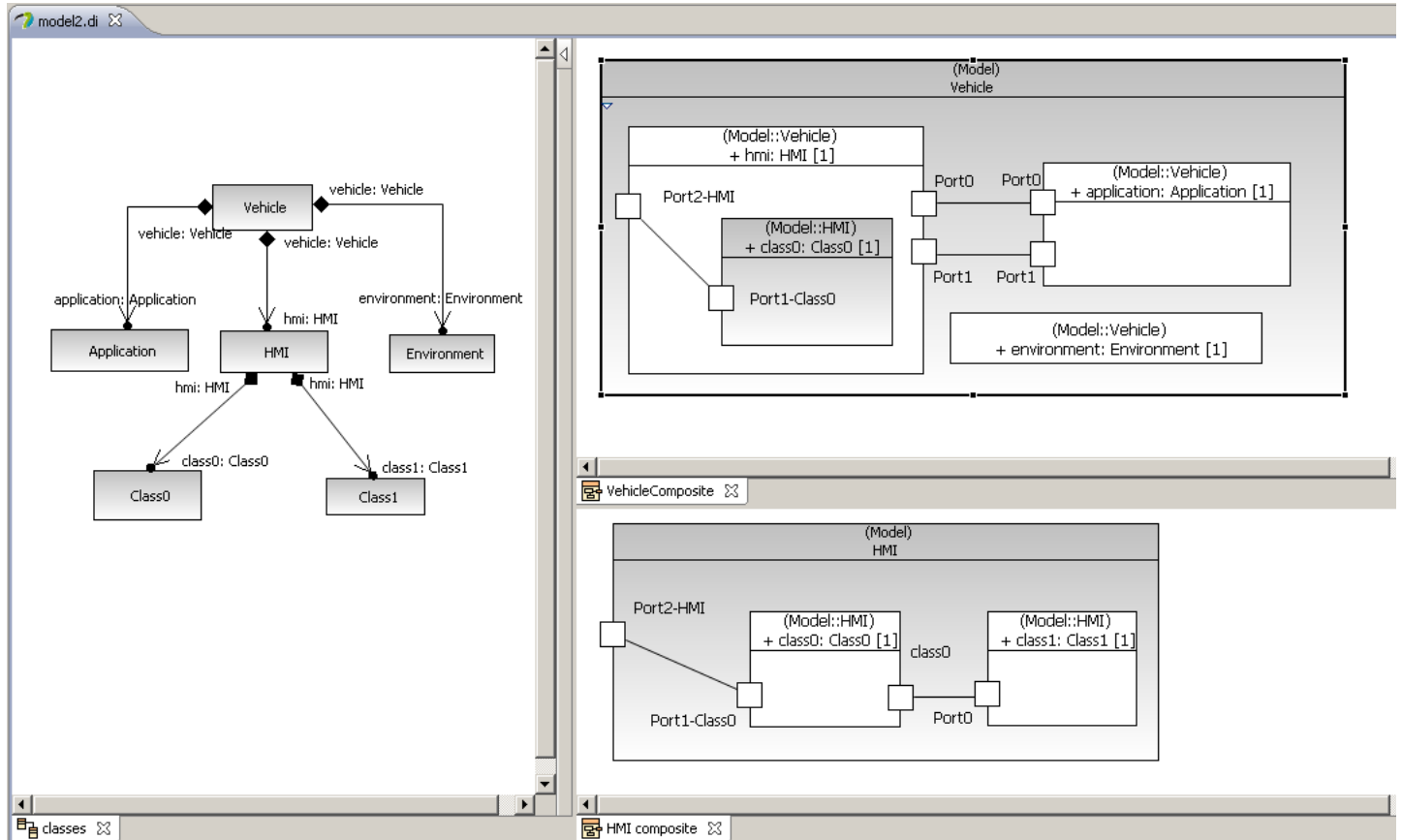


Table Documentation

See http://wiki.eclipse.org/Papyrus_User_Guide/Table_Documentation

Papyrus Zoo of UML Models

Composite Structure Diagram



The project is available here [1] (<http://wiki.eclipse.org/images/1/10/CompositeSupport.zip>)

Constraints in Papyrus

Create and edit constraints

Create and edit constraints

Validate OCL Constraints of a Profile

Define Profile Constraints

SysML Modeling

Tutorials on SysML modeling with Papyrus

Papyrus Zoo of SysML Models

MARTE Modeling

Tutorials on MARTE modeling with Papyrus

Papyrus Zoo of MARTE Models

fUML and Alf Modeling

Using fUML and Alf to produce executable models

Developing custom DSL based editor with Papyrus

UML Profile Modeling

Define Profile Constraints

MetaModel Modeling

Additional Editor Integration (this section is for the Backbone)

Diagram Editors Customizations

Specific Diagram Editors Creation

Diagram Editor Palette Customization

Here you can find the documentation describing palette customization: Doc (<http://git.eclipse.org/c/papyrus/org.eclipse.papyrus.git/tree/doc/DeveloperDocuments/How->

This document can also be found in Papyrus help section => User Guide => Palette customization

Property Editor Customization

Model Explorer Customization

Diagram Appearance Customization with CSS Stylesheets

CSS Stylesheets in Papyrus (<http://wiki.eclipse.org/MDT/Papyrus/UserGuide/CSS>)

Additional Utilities of Papyrus

Collaborative Work Support

Layer Support

See Layers Guide

Model Execution

Execute your fUML models with MOKA

Automatic Layout Support

Code Generation Support

JAVA Code Generation

see Java code generation (http://wiki.eclipse.org/Java_Code_Generation)

C/C++ Code Generation

see Papyrus C++ code generation (http://wiki.eclipse.org/Papyrus/Codegen/Cpp_description)

ADA Code Generation

Reverse Engineering

Java Reverse Engineering

see Java reverse engineering (http://wiki.eclipse.org/Java_reverse_engineering)

Documentation Support

Documentation Modelling

Documentation Generation

Deploy your applications

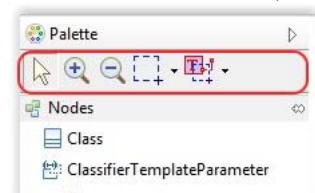
see Qompass for Papyrus (http://wiki.eclipse.org/Papyrus_Qompass)

General Feature

Editors

Palette

The palette is available with any diagrams. But its content depends on the diagrams type. The standard palette (the top container of the palette in red in the here-after capture) contains a standard selection tool (the white arrow), a zoom in and zoom out tool, and marquee selection tools.



The standard palette is available for every diagram.

Properties

See Properties (http://wiki.eclipse.org/Papyrus_User_Guide/Palette/Properties)

Standard Selection tool

See Standard selection Tool (http://wiki.eclipse.org/Papyrus_User_Guide/Palette/Standard_Selection_Tool)

Zoom Tools

See Zoom Tools (http://wiki.eclipse.org/Papyrus_User_Guide/Palette/Zoom_Tools)

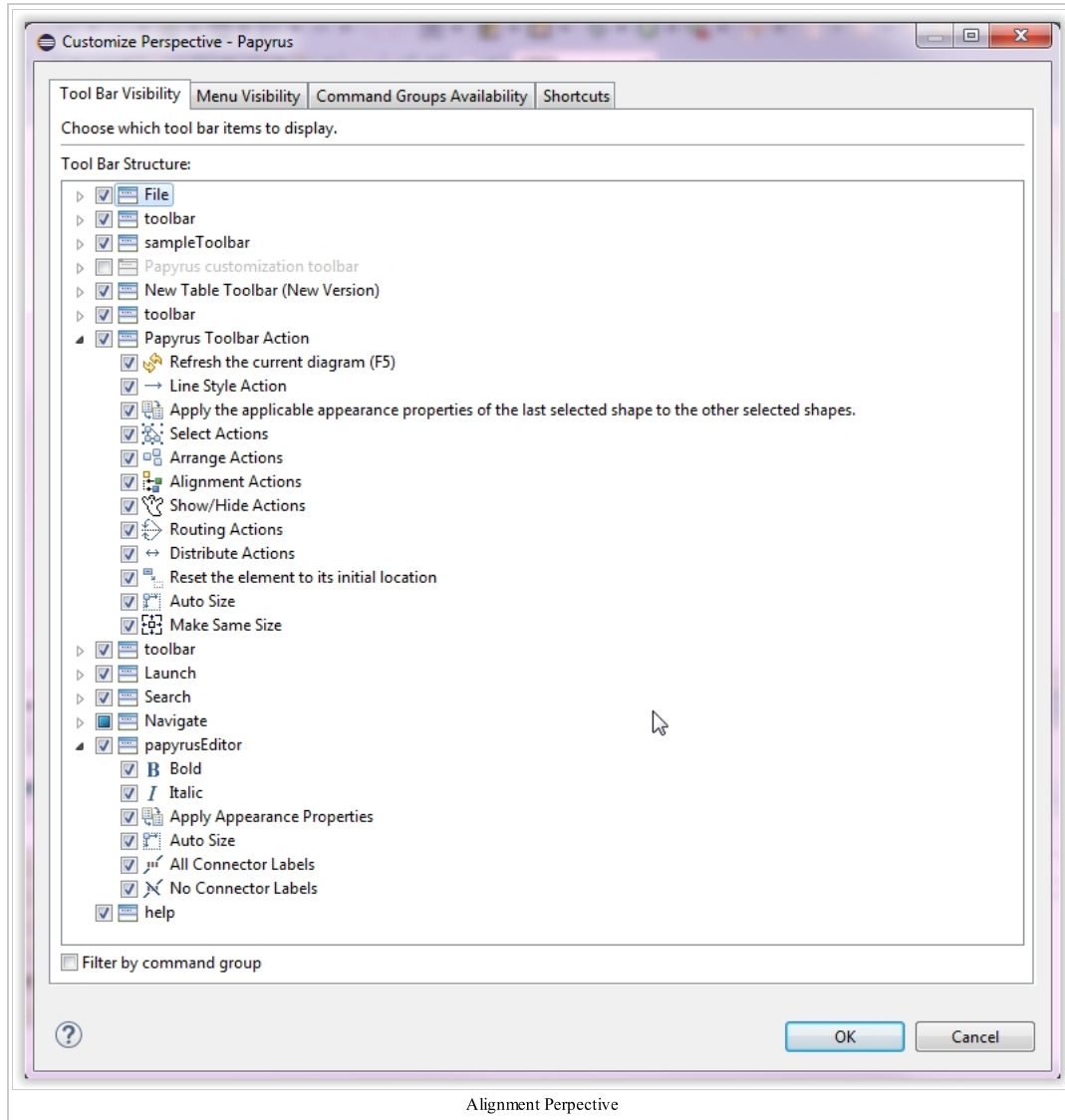
Marquee Selection Tools

See Marquee Selection Tool (http://wiki.eclipse.org/Papyrus_User_Guide/Palette/Marquee_Selection_Documentation)

Toolbars

Papyrus has its own set of Toolbars. A Toolbar regroups a set of tools belonging to the same kind of activity. The different Toolbars can be shown or hide depending on the perspectives.

The toolbars visibility can be customized from the menu Windows/Customize Perspectives.



Alignment

See Alignment (http://wiki.eclipse.org/Papyrus_User_Guide/Toolbars/Alignment)

--Céline Janssens [ALL4TEC] (talk) 12:06, 28 August 2014 (EDT)

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